

FEDOROVA, G.V.

¹⁴C uptake into the eggs and larvae of fishes spawning in fall. Radiobiologiya 5 no.5:690-692 '65.

(MIRA 18:11)

1. Leningradskiy gosudarstvennyy ordena Lenina universitet imeni A.A. Zhdanova.

L 231-66 EWT(m)/EWP(t) IJP(c) JD

ACC NR: AP6008081

SOURCE CODE: UR/0020/66/166/005/1095/1097

AUTHOR: Palatnik, L. S.; Fedorov, G. V.

ORG: Kharkov Polytechnical Institute im. V. I. Lenin (Khar'kovskiy politekhnicheskiy institut)

TITLE: Intraphase step rule in structural formation of vacuum condensates

SOURCE: AN SSSR, Doklady, v. 166, no. 5, 1966, 1095-1097

TOPIC TAGS: copper, vacuum technology, vaporization, vapor condensation, epitaxial growing, metastable state, phase transition

ABSTRACT: The authors study intermediate metastable structural (and substructural) states and transitions in vacuum condensates of metals where the ordinary thermodynamic phase transformations in the solid state are missing (polymeric transformations, eutectoid decay, decay of supersaturated solid solutions, ordering or disordering, etc.). The specimens were massive vacuum condensates of copper with a thickness of approximately 1 mm produced at condensation rates of 0.25-1 μ /sec. The copper was vaporized in a vacuum of 10^{-5} mm Hg from alumina crucibles placed 20-25 mm away from a copper substrate which was heated to a temperature of 80-750°. The microstructure and microhardness of the surface and transverse sections of the condensates were studied. The first stage in formation of the condensate is natural condensation accord-

Card 1/2

L 23231-66

ACC NR: AP6008081

2

ing to one of the mechanisms: vapor + liquid + crystal or vapor + crystal. An extreme nonequilibrium structure is formed at rather low temperatures. This is due to the high dispersion of various lattice defects and to alloying of the condensate by residual gases. The second stage is characterized by parallel lines on the transverse section. The orientation of these lines is independent of the condensate temperature and the rate of condensation. The microhardness in this stage drops from 200 to 120 kg/mm². Recrystallization begins in the third stage accompanied by a further reduction in microhardness to 90-100 kg/mm² and the formation of a polycrystal with a large grain size. The fourth stage in the formation of the condensate is epitaxial recrystallization beginning at 250°. There is also a further slight reduction in microhardness and increase in the grain size at the condensate-substrate interface. At temperatures above 500°, condensation takes place by epitaxial growth of the crystals in the substrate. The experimental data indicate that processes of structural formation in vacuum condensates of pure metals conform to the general intraphase step rule. Orig. art. has: 2 figures. 118

SUB CODE: //20/

SUBM DATE: 22Jun65/

ORIG REF: 002/

OTH REF: 000

Card 2/2 BLC

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041271

S I CODE: EM,EC NR REF SOV: 004

ENCL: 01

OTHER: 001

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CIA-RDP86-00513R00041271

ENCLOSURE 01

L 28884-66 EWT(1) SCTB DD

ACC NR: AP6015296 (A,N) SOURCE CODE: UR/0325/66/000/002/0090/0092

AUTHOR: Burlakova, Ye. V.; Kol's, O. R.; Fedorcva, G. Ye.

33
31
B

ORG: none

TITLE: Electric parameter shifts induced in a nerve by deep cooling

2

SOURCE: Nauchnyye doklady vysshey shkoly. Biologicheskiye nauki, no. 2, 1966, 90-92

TOPIC TAGS: experiment animal, nerve fiber, electrophysiology, liquid nitrogen, hypothermia, cryobiology

ABSTRACT: An electric conductivity method is described for studying the physicochemical structure of nerve tissue during preservation and storage. Nerves of a white rat, rabbit, worm, crab, and frog were investigated. Following preservation in liquid nitrogen and treatment with a mixture of Ringer solution and glycerin, the nerves were thawed at room temperature. The electric parameters of experimental and control nerves were measured in a moist chamber with platinum disc electrodes. Indexes included longitudinal resistance, capacitance, dielectric loss, dielectric loss angle and dielectric polarization coefficient. Findings show that electric parameter shifts induced by liquid nitrogen cooling

Card 1/2

L 28884-66

ACC NR: AP6015296

2

are considerably less markedly expressed in nerves of cold-blooded animals, particularly invertebrates. The polarization coefficient is higher for nerves of control animals on a higher evolutionary scale. Thus, the coefficients for nerves of warm-blooded control animals (rat and rabbit) are 2.4 and 3.6, the coefficient for cold-blooded animals (frog) is 1.8, and the coefficient for an invertebrate (worm) is 1.3. The corresponding polarization coefficient values of nerves subjected to liquid nitrogen freezing followed by thawing differ insignificantly: 1.6 for warm-blooded animals, 1.3 for cold-blooded animals, and 1.2 for invertebrates. Nerves of warm-blooded animals appear to have a more complex and labile physicochemical structure characterized by a lesser resistance to freezing. The authors "express their gratitude to Yu. K. Azarov (head of the Biological Instrument Laboratory of the Biophysics Institute of AN SSSR) for the opportunity of conducting measurements and for assistance in the work." Orig. art. has: 4 figures. [06]

SUB CODE: 06/ SUBM DATE: 08Jul65/ ORIG REF: 003/ OTH REF: 002/
ATD PRESS: 5005

Card 2/2 CU

KOROTKOVICHKO, V.P.; FEDOROVA, A.P. [Fedorova, H.P.]; ISHCHENKO, I.H.
[Ishchenko, I.M.]

Nature and properties of insoluble serum proteins from cancer
patients. Ukr. biokhim. zhur. 36 no.1:32-45 '64. (MIRA 17:12)

1. Institute of Biochemistry of the Academy of Sciences of the
Ukrainian S.S.R., and Department of Faculty Surgery of the A.A.
Bogomolets Medical Institute, Kiev.

FERDINAND, G.M. [Fedorova, H.P.]

Effect of muscular activity of various durations on the content
of NAD and NAD-N in the muscle, liver and blood. Ukr. biokhim.
zhur. 36 no.1:119-125 '64. (MIRA 17:12)

1. Sektor biokhimii Nauchno-issledovatel'skogo instituta Fizicheskoy
kul'tury, Leningrad.

157 T16

USSR/Electricity - Systems, Electric
Rectifiers, Mercury

Dec 49

"Effect of a Heavy-Duty Mercury-Arc Rectifier Load
on the Stability of a System," I. A. Fedorova, Cen
Asa Polytech Inst, 1 1/2 pp

"Elektrichestvo" No 12

Systems where most of the load is furnished by
mercury-arc rectifiers working on back EMF are in
more favorable position regarding stability than
systems with reactive loads. Regulating effect of active
mercury rectifier load in relative units of active
power is 4 and of reactive power is 5, as confirmed

157 T16

USSR/Electricity - Systems, Electric
(Contd)

Dec 49

by many calculations of system stability and by op-
erating experience. Includes graph. Submitted
1 Jul 49.

FEDOROVA, I. A.

157 T16

FEDOROVA, I-A

PHASE I BOOK EXPLOITATION

175

AUTHOR: See Table of Contents

TITLE: Metallography and Processing of Nonferrous Metals and Their Alloys (Metallovedeniye i obrabotka tsvetnykh metallov i splavov) Collection of Articles (Sbornik statey)

PUB. DATA: Gosudarstvennoye nauchno-tekhnicheskoye izdatel'stvo literatury po chernoy i tsvetnoy metallurgii, Moscow, 1957, 280 pp, 6000 copies

ORIG. AGENCY: None given

EDITORS: Editor-in-chief: Miller, L.Ye., Candidate of Technical Sciences; Editor: El'kind, L.M.; Tech. Ed.: Islent'yeva, P.G.

PURPOSE: This book is intended for metallurgists specializing in the metallography and processing of nonferrous metals and their alloys.

Card 1/11

Metallography and Processing of Nonferrous Metals and (Cont.) 175

COVERAGE: The book contains articles on the metallography, casting, rolling, extrusion, and drawing of heavy and light non-ferrous metals. The articles present the results of research on bronze of various types, manganese-nickel, "Alumel", solder, and aluminum and magnesium alloys. Subjects treated include hot working of alloys, behavior of addition agents in crystallization, the effect of rapid cooling during crystallization on the electrical properties of alloys, characteristics of low-speed casting, conditions for rolling beryllium bronze, and rolling of aluminum ingots without heating. The articles, which have not been previously published in technical journals, were prepared by scientists and production engineers. For references and further coverage, see Table of Contents.

Card 2/11

Metallography and Processing of Nonferrous Metals and (Cont.) 175

TABLE OF CONTENTS:

From the Editors 2

PART I. METALLOGRAPHY AND CASTING 3

A. Heavy Nonferrous Metals 3

Turkin, V.D. (deceased), and Fedorova, I.A. Effect of Silicon and Manganese on the Structure and Properties of Aluminum-iron Bronze 3

Turkin, V.D., and Timofeyeva, Z.N. An Investigation of Alloys of the Copper-aluminum-silicon system.

Preparation of alloys, microscopic and thermal analysis, microhardness of phases, mechanical properties, heat treatment are discussed. There are four Soviet references. 14

Card 3/11

Metallography and Processing of Nonferrous Metals and (Cont.) 175

Persiyantsev, V.A. Candidate of Technical Sciences. Technological Parameters in the Hot Working of Manganese-nickel and "Alumel".

28

Plastic properties of the investigated alloys, as related to temperature, type of deformation, and rate of deformation are studied. There are 16 Soviet references

28

Persiyantsev, V.A. Determining Some Technological Characteristics of the Hot Working of Manganese-nickel and "Alumel".

The degree of deformation required to destroy the cast structure is investigated. There are 9 Soviet references

44

Card 4/11

Metallography and Processing of Nonferrous Metals and (Cont.) 175

Pikunov, M.V. Behavior of Suspended Addition Agents in Crystallization.

There are 8 references of which 7 are Soviet, 1 German. 55

Rossel's, N.O., Dubinskiy, S.A., Lakedemonkiy, A.V., Anopova, A.I., Khakimdzhanova, M.K. Effect of Small Additions of Silver on the Properties of Lead-tin Solders. 68

The authors state that laboratory tests made on automobile radiators soldered with lead-tin alloys with addition of silver show that this type of solder does not hold up well under impact and vibration.

Kaznachey, B.Ya., and Khogina, V.M. Effect of the Manner of Alloy Electroplating With Nickel and Cobalt on the Magnetic Properties of the Plate. 77

Card 5/11

Metallography and Processing of Nonferrous Metals and (Cont.) 175

The authors consider such factors as composition and acidity of electrolyte, temperature, coercive force, residual induction, current density, composition of anode, impurities in electrolyte, speed of cathode rotation, thickness of coating, etc. There are 10 references, of which 4 are Soviet and 6 English.

77

B. Light Nonferrous Metals

91

Moguchiy, L.N., Candidate of Technical Sciences. Kinetics of the Process of Homogenization of Magnesium Alloys.

91

The author concludes: 1) that cast magnesium alloys with aluminum and zinc additions have a highly nonhomogeneous structure; 2) raising the temperature results in a rapid increase in the rate of homogenization; 3) there is a parabolic relationship between time and the amount of diffused material. There are 3 Soviet references.

Card 6/11

Metallography and Processing of Nonferrous Metals and (Cont.) 175

Krymov, V.V., Candidate of Technical Sciences,
Fedorova, V.K., Engr. Heat Treatment of Cast
Magnesium Alloys. 101

Tarantov, S.N., Senior Scientist, Candidate of
Technical Sciences, Kuzin, V.G., Aspirant, Engr.
Effect of temperature and speed of Flow on the
Structure of Extruded Bars of AMg Alloy. 121

There are 2 Soviet references.

Luzhnikov, L.P., Romanova, O.A. New Information
on the Role of Manganese in the Extrusion Effect in
Aluminum Alloys. 132

There are 3 references of which 1 is Soviet, and
2 German.

Card 7/11

Metallography and Processing of Nonferrous Metals and (Cont.) 175

**Fridlyander, I.N. Development of Equating Overflows
in Continuously Cast Aluminum-alloy Ingots. 137**

The author states that the overflows occur as a result of secondary heating of peripheral layers of the ingot affected by the air space between the ingot and the crystallizer; this can be prevented by continuous cooling of the ingot. There are 6 references of which 4 are Soviet, and 2 German. 137

**Fridlyander, I.N., Suvorova, N.S. An Investigation
of the Effect of Rapid Cooling in the Crystallization
Process on the Electrical Properties of Alloys of the
Aluminum-manganese System. 154**

There are 20 references of which 1 is Soviet, 9 English, 7 German, 1 French, 1 Italian and 1 Japanese.

Card 8/11

Metallography and Processing of Nonferrous Metals and (Cont.) 175

Lyubeshkin, V.A., Andronov, V.P., Marenkov, Ye.A.
The Application of Low-speed Casting. 169

There are 3 Soviet references.

PART II. ROLLING 180

Berman, S.I. Rollability of Beryllium Bronze in
the Hot Condition. 180

It is shown that nickel bronzes containing beryllium
can be rolled most easily within a temperature range
of 750-800°C. There are 7 Soviet references. 180

Kolpashnikov, A.I., Docent, Candidate of Technical
Sciences, Ivanov, I. I., Candidate of Technical
Sciences. An investigation of the Change in Struc-
ture of Aluminum During the Rolling Process (Grain-
recrystallization Method) 192

Card 9/11

Metallography and Processing of Nonferrous Metals and (Cont.) 175

Livanov, V.A., Candidate of Technical Sciences,
Kolpashnikov, A.I., Ivanov, I.I. Rolling Aluminum
Ingots Without Heating. 203

PART III. EXTRUSION AND DRAWING 208

Butomo, D.G., Engr., and Zedin, N.I., Engr. An
Investigation of "Pipe" (Extrusion Defect) in Alloys
of the Types LS59 and L62. 208

The phenomenon, as observed in brasses of the indi-
cated types, is studied and described; no attempt is
made to ascertain the cause.

Rura, A.M., Candidate of Technical Sciences. Stand-
ardization of Die-hole Geometry and Procedures for
Stepwise Drilling of Diamond Die Holes, 225

There are 5 Soviet references.

Card 10/11

Metallography and Processing of Nonferrous Metals and (Cont.) 175

PART IV. THEORY OF CALCULATION OF DEFORMATION FORCES 250

Perlin, I.L. Determination of the Resultant Pressure of Metal on Tools in Plastic Deformation and a Clarification of Fink's Formula. 250

Perlin, I.L., Kochish, I., Candidate of Technical Sciences. Friction Stresses on the Side Surface of the Container in Extrusion of Aluminum-base Alloys.

There are 4 references of which 3 are Soviet and 1 Hungarian . 259

Zaikanov, V.N., Engr. The Problem of Water Hammer in Hydraulic-press Distribution Lines. 270

AVAILABLE: Library of Congress
Card 11/11

WB/lsh
June 2, 1958

KOCHETKOVA, N.P.; ORLOVA, P.Ye.; FEDOROVA, I.A.

[Instructions of captains of vessels navigating between Southern Straits of Novaya Zemlya (Yugorski Strait, Kara Gate Strait) or Cape Mauritis and the Port of Igarka on the Yenisei River] Instruktsiia dlia kapitanov sudov o plavanii mezhdu IUzhnymi Novozemel'skimi prolivami (IUgorским Шаром, Карскими Воротами) ili mysom Zhelaniia i portom Igarka na reke Enisei. Moskva, 1960. 22 p.

(MIRA 14:7)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye Severnogo morskogo flota.

(Kara Sea--Navigation) (Yenisey River--Navigation)

FEDOROVA, I.A.

Technical and economic comparison of the principal means of
increasing the transient stability of power transmission.
Trudy Inst.energ.AN Uz.SSR no.8:62-85 '55. (MLRA 9:12)

(Electric power distribution)

The presence of a local load which the limits of static stability are hardly affected by a shift of the local load along the line the transmitting capacity of the system is not affected.

FEDOROVA, I.A., kand.tekhn.nauk, dotsent; POSPELOV, G.Ye., doktor, tekhn.
nauk

Problem concerning the calculation of steady-state conditions in
electrical networks with condensers. Izv.vys.ucheb.zav.; energ.
5 no.11:121-122 N '62. (MIRA 15:12)

1. Tashkentskiy politekhnicheskiy institut. Predstavlena kafedroy
elektricheskikh sistem.
(Electric networks)

POSPELOV, G. Ye.; FEDOROVA, I. A.

Variable conditions for the selection of parameters of
bridging reactors for remote a.c. transmissions. Izv. AN
Uz.SSR. Ser. tekhn. nauk 6 no.5:13-22 '62.

(MIRA 15:10)

1. Tashkentskiy politekhnicheskiy institut.

(Electric lines)

FEDOROVA, I.A., kand.tekhn.nauk, dotsent; POSPELEV, G.Ye., doktor tekhn.
nauk, prof.

Some thoughts on the construction and outline of a course in
"Theoretical principles of electrical engineering." Elektriches-
tvo no.10:82-83-0 '63. (MIRA 16:11)

1. Belorusskiy politekhnicheskiy institut.

POSPELOV, G.Ye., doktor tekhn. nauk, prof.; FEDOROVA, I.A., kand.
tekhn. nauk, dotsent

Change in the cost of electric power transmission with
distance increase. Izv. vys. ucheb. zav.; energ. 7 no.2:
9-17 F '64. (MIRA 17:3)

1. Belorusskiy politekhnicheskiy institut. Predstavlena
kafedroy elektricheskikh sistem i setey.

FEDOROVA, I.A., kand. tekhn. nauk, dotsent

Effect of some chemical industries on the static characteristics of network junctions of electric power systems. Izv. vys. ucheb. zav.; energ. 7 no.7:88-91 JE '64 (MIRA 17:8)

1. Belorusskiy politekhnicheskiy institut. Predstavlena kafedroy elektrotekhniki.

FEDOROVA, I.A., kand. tekhn. nauk, dotsent

Effect of active losses in an electric power transmission line
on the effectiveness of series compensation. Izv. vys. ucheb.
zav.; energ. 8 no.7:21-25 J1 '65. (MIRA 18:9)

1. Belorusskiy politekhnicheskiy institut. Predstavlena kafedroy
teoreticheskikh osnov elektrotekhniki.

AZHMEDZHANOV, M.A.; MUSIN, R.A.; FEDOROVA, I.B.; YARMUKHAMEDOV, A.R.

Carbonate formations of the Middle Paleozoic in the Almalyk region. Uzb.geol.zhur. 6 no.3:5-13 '62. (MIRA 15:6)

1. Institut geologii AN UzSSR.
(Almalyk region--Rocks, Carbonate)

MASLOV, L.A., inzh.; FEDOROVA, I.B., kand.tekhn.nauk (Moskva);
NOCHVIN, D.M., gosudarstvennyy sovetnik yustitsii II klassa;
SINITSYN, M. (Gor'kiy)

Protect nature, the storehouse of health. Zdorov'e 9 no.3:16-17
Mr '63. (MIRA 16:5)

(VOLGA RIVER--WATER POLLUTION)

L 01234-6E EWA(h)/EWP(k)/EWT(d)/EWT(m)/ETC(m)/T-2/EWP(w) EM/WH
ACCESSION NR: AP5021722

UR/0373/65/000/004/0169/0170

AUTHORS: Tabachnikov, V. G. (Moscow); Fedorova, I. B. (Moscow)

TITLE: Experimental determination of the derivatives of rotational coefficients by the method of curvilinear models

SOURCE: AN SSSR. Izvestiya. Mekhanika, no. 4, 1965, 169-170

TOPIC TAGS: airfoil, aerodynamic coefficient, experimental method, linearized theory

ABSTRACT: The method of model twisting was used to calculate the derivatives $C_y^{\omega_z}$ and $m_z^{\omega_z}$, where

$$C_y = Y/qv, \quad m_z = Mz/qvb, \quad m_x = Mx/qv$$

$$(q = \frac{1}{2} \rho V_0^2)$$
 on a right-angled airfoil. First, the airfoil was twisted relative to the transverse coordinate z and two sets of right-angled airfoils were tested with $\lambda = 1.0$ and 0.5 . The flow field was observed visually by means of silk threads glued to the model surface. For small angles of attack and for $\omega_z, \omega_x \leq 0.3$, the measured coefficients agreed well with the results of linear theory. Another set of airfoils was investigated with $\lambda = 1$ and 3 by twisting the airfoil relative to the x -axis.
 Card 1/3

L 01234-66

ACCESSION NR: AP5021722

One set of results is shown in Fig. 1 on the Enclosure where the solid lines indicate linearized theory, circles correspond to $\lambda = 1$, and triangles to $\lambda = 3$. Orig. art. has: 6 figures and 2 formulas.

ASSOCIATION: none

SUBMITTED: 08Jun64

ENCL: 01

SUB CODE: ME, AC

NO REF SOV: 002

OTHER: 000

Card 2/3

L 01234-56

ACCESSION NR: AP5021722

ENCLOSURE: 01

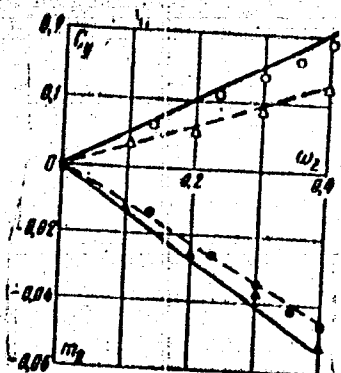


Fig. 1.

Card ^{RC} 3/3

TABACHNIKOV, V.G. (Moskva); FEDOROVA, I.B. (Moskva)

Experimental determination of the coefficients of rotary
derivatives using the method of curvilinear models. Izv.
AN SSSR Mekh. no. 4:169-170 JI-Ag '65.

(MIRA 18:12)

UGRYUMOV, V.M., prof.; LUBENSKIY, Ye.G.; KALINER, S.S.; KACHAYEV, V.L.;
DUBIKAYTIS, Yu.V.; FEDOROVA, I.D.

Surgical treatment of traumatic epilepsy in adults. Vop. neurokhir.
28 no.2:41-45 Mr-Apr '64. (MIRA 18:2)

1. Leningradskiy nauchno-issledovatel'skiy neurokhirurgicheskiy
inst. tut imeni A.L. Polenova (direktor - prof. V.M. Ugryumov).

FEDOROVA, I. G.
BRITSYN, N.I.; FEDOROVA, I. G.

Welding plastic material smeltable under heat. [Izd.] IONITOMASH
no.33:217-241 '54. (MLRA 8:2)
(Plastics--Welding)

89344

S/191/61/000/001/009/015
B101/B205

15.8450

AUTHORS: Pedorova, I. G., Shelina, T. A., Britsyn, N. L.

TITLE: Application of high-frequency heating in manufacturing tubes
from glass-reinforced plastics

PERIODICAL: Plasticheskiye massy, no. 1, 1961, 35-37

TEXT: This is a report on attempts of accelerating the hardening of tubes made of glass-reinforced plastics (GRP), which are used as props. The work has been carried out by Nauchno-issledovatel'skiy institut tokov vysokoy chastoty im. prof. V. P. Vologdina (Scientific Research Institute of High-frequency Currents imeni Professor V. P. Vologdin) in cooperation with Laboratoriya anizotropnykh struktur IKhF AN SSSR (Laboratory of Anisotropic Structures, Institute of Chemical Physics AS USSR) and Leningradskiy zavod sloistyykh plastikov (Leningrad Plant for Laminated Plastics). The tubes are manufactured by winding GRP sheets round metal rods which are then heated by electric coils. Hardening is continued in chamber kilns at 120-180°C. On account of the low thermal diffusivity of the material, heating and hardening take 6-20 hr, depending on the wall thickness of the

Card 1/3

89344

Application of high-frequency...

S/191/61/000/001/009/015
B101/B205

tubes and the types of resin. Therefore, the possibility of high-frequency heating has been examined. Tests were made with GRP on the basis of different resins: a) 70% epoxy and 30% phenol resin; b) P-2 (R-2), an aniline-formaldehyde resin with zinc stearate. In order to prevent the resin from flowing off, the tubes were rotated with 2-5 rpm. Heating was done in a condenser field, with the metal rod serving as grounded electrode. The optimum strength for epoxy-phenol resin was reached after heating for 2 hr (instead of 20 hr) and for R-2 after 30 min (instead of 6 hr). The heating time could thus be reduced to one-tenth. The limit compressive strength of epoxy-phenol and R-2 resin was 4500 and 3500 kg/cm², respectively. Heating with 20-25 Mc/sec proved to be most favorable. The second electrode of the condenser has been designed in the form of a semi-cylinder (I), a cylinder (II), and plane-parallel plates (III) (see Fig.8). The following capacities were calculated per cm of tube length: 350 μmf (I); 700 μmf (II); and 150 μmf (III). Alternative III was chosen since it facilitates the automation of the process. An apparatus designed by the Scientific Research Institute of High-frequency Currents has an insulated chamber containing h-f plates, a feeding mechanism for tubes, and a drive for rotating rods. A h-f current is generated by an ЛПД-32

Card 2/3

89344

Application of high-frequency...

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B101/B205

(LGD-32) tube generator and fed to the condenser by a coaxial feeder. The following technical data are presented: rated power of tube generator; 55 kva; mains voltage: 380-220 v; consumption of cooling water: 2.5 m³/hr; dimensions of electrodes: 1100-1600 mm; electrode potential: 6-10 kv; frequency: 20·10⁶ cps; motor power: 5 kw; cost of treatment per kg of tube: 25-35 kopecks. Performance of the plant:

| External tube diameter, mm | wall thickness mm | length mm | output pieces/hr | number of tubes in the condenser, pieces |
|----------------------------|-------------------|-----------|------------------|--|
| 60 | 5-7 | 1500 | 10 | 10 |
| 80 | 5-10 | 1500 | 10 | 10 |
| 110 | 7-12 | 1500 | 5 | 5 |
| 140 | 7-15 | 1500 | 5 | 5 |

There are 8 figures, 1 table, and 1 Soviet-bloc reference.

Legend to Fig.8. I: semicylinder; II: cylinder; III: plane-parallel plates; 1: electrode; 2: air gap; 3: tube; 4: rod.

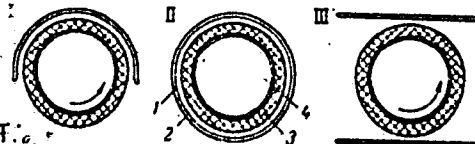


Fig. 7

Fig. 8

Card 3/3

FEDOROVA, I.G.; SHELINA, T.A.; BRITSIN, N.I.

Application of the high-frequency welding method to the preparation
of a soft plastic system for the preservation and transfusion of
blood. Plast.massy no.3:32-34 '61. (MIRA 14:3)
(PLASTICS) (BLOOD--COLLECTION AND PRESERVATION)

KARTASHEVSKIY, N.G.; BARKOV, G.I.; FEDOROVA, I.G.; FROLENKO, G.I.

New plastic package for the storage of preserved homotransplants.
Vest.khir. no.7:112-115 '61. (MIRA 15:1)

1. Iz Leningradskogo ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skogo instituta perelivaniya krovi (dir. - dotsent A.D. Belyakov, nauchnyy rukovoditel' - prof. A.N. Filatov) i Nauchno-issledovatel'skogo instituta tokov vysokoy chastoty im. prof. V.P. Vologdina (dir. - kand.tekh.nauk M.A. Spitsyn, sam. dir. po nauchnoy chasti - kand.tekh.nauk N.P. Glukhanov).
(TRANSPLANTATION OF ORGANS, TISSUES, ETC.—EQUIPMENT AND SUPPLIES)

BRITSYN, N.L.; FEDOROVA, I.G.; SHELINA, T.A.

Accelerated preheating of tabletted molding powders. Plast.massy
no.5:29-30 '61. (MIRA 14:4)
(Phenol condensation products)

L 11131-66 EWT(1)/EWT(m)/T/EWP(t)/EWP(b) IJP(c) JD/AT
ACC NR: AP6000877 SOURCE CODE: UR/0181/65/007/012/3660/3662

AUTHORS: Abroyan, I. A.; Lavrov, V. P.; Fedorova, I. G.

60
58

ORG: Leningrad Polytechnic Institute im. M. I. Kalinin
(Leningradskiy politekhnicheskii institut)

TITLE: Angular dependence of the secondary-emission coefficients of single crystal KBr bombarded with potassium ions

SOURCE: Fizika tverdogo tela, v. 7, no. 12, 1965, 3660-3662

TOPIC TAGS: potassium bromide, single crystal, ion bombardment, secondary emission, angular distribution

ABSTRACT: This is a companion paper to similar work by the authors on semiconductor single crystals (FTT v. 7, 3759, 1965). The present investigation is devoted to the dielectric KBr single crystals, whose (100) face was bombarded with a pulsed potassium ion beam with energy 1 -- 6 kev. The axis of rotation of the crystal coincided with the [100] direction and made a right angle to the primary beam, the divergence of which did not exceed 2.5° . During the measurements the

Card 1/2

2

L 14131-66

ACC NR: AP6000877

target was heated to a temperature at which no surface charging by the ion beam was produced (200 -- 3000). The results yielded non-monotonic variations of the secondary-emission coefficient and of the positive and negative ion-ion emission coefficients on the angle of incidence. In view of the increasing dependence of the secondary emission coefficient on the incident-ion energy, it is deduced that at still higher energies the increase of the coefficient with the angle will be steeper. This points out the advantage of using alkali-halide compounds as cathodes for multipliers used to register ions and neutral atomic particles. The positive ion-ion emission coefficient was found to be larger by a factor 4 -- 5 than the negative coefficient. This is attributed to the fact that the reflected ions of the primary beam contribute to the coefficient of positive ion-ion emission. Authors thank M. A. Veremeyev and N. N. Petrov for interest in the work and useful advice. Orig. art. has: 2 figures. 2

SUB CODE: 20/ SUBM DATE: 01Jul65/ ORIG REF: 003/ OTH REF: 001

Card

fw
2/2

FEDOROVA, I.I. (Bryansk)

Work of experimental shops. Shvein.prom. no.1:34-35 Ja-F '62.
(Briansk—Clothing industry) (MIRA 15:4)

FEDOROVA, I. K.

"O legendakh, svyazannykh s kokhaurengo-rongo."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,
Moscow, 3-10 Aug 64.

FEDOROVA, I. M.

FEDOROVA, I. M. -- "Photocolorimetric Methods of Analysis in Leather Production." Min Higher Education USSR. Moscow Technological Institute of Light Industry imeni L. M. Kaganovich. Moscow, 1955 (Dissertation for the Degree of Candidate in Technical Sciences.)

So; Knizha ya Letopis' No 3, 1956

SOV/28-58-6-18/34

AUTHORS: Voytsekhovskiy, V.L., Fedorova, I.M., Shukhnina, N.A., Candidates of Technical Sciences

TITLE: An Evaluation of the Quality of Moscow Leather (Otsenka kachestva yuftevoy kozhi)

PERIODICAL: Standartizatsiya, 1958, Nr 6, pp 61-62 (USSR)

ABSTRACT: The correct grading of Moscow leather as to chemical and physical-mechanical properties depends on the sample taken. The State Standard GOST 938-45 for testing Moscow leather was developed 13 years ago. Since that time considerable technological progress has been made. New values should be established. Tests made have shown that the resistance in air-dried samples is 7.4-11.6% higher than in wet samples. The lengthening under a stress of 1 kg/mm² is in dry samples 12.5-20% lower than in wet ones. The quality of leather can be best determined by taking samples of rump leather, as mentioned in GOST 938-45.

Card 1/2

SOV/28-58-6-18/34

An Evaluation of the Quality of Moscow Leather

The samples should be of the size 14.5 x 20.5 cm. Chemical tests were made in the plant laboratories of the Leningradskiy kozhevennyy kombinat "Marksist" (Leningrad Leather Combine "Marksist"), the Ostashkovskiy kozhevennyy zavod (Ostashkov Leather Plant), the Barnaul'skiy kozhevennyy zavod (Barnaul Leather Plant) and the Yeletskiy kozhevennyy zavod (Yelets Leather Plant). There is 1 table.

ASSOCIATION: TsNII kozhevenno-otuvnoy promyshlennosti (TsNII of the Leather Shoe Industry)

Card 2/2

VOYTSEKHOVSKIY, V.L., kand.tekhn.nauk; FEDOROVA, I.M., kand.tekhn.nauk

Determining acrylic resin content in leather. Leg. prom. 18
no.9:30-31 S '58. (MIRA 11:10)
(Leather--Testing)

VOYTSEKHOVSKIY, V.L., kand.tekhn.nauk; SHUKHNINA, N.A., kand.tekhn.nauk;
FEDOROVA, I.M., kand.tekhn.nauk; BURMISTROVA, L.I., mladshiy
nauchnyy sotrudnik

Chemical analysis in production processes and quality control of
finished products in the leather and tanning extract industries.
Nauch.-issl. trudy TSNIKP no. 30:120-131 '59. (MIRA 14:5)
(Leather industry--Quality control)
(Tanning materials--Analysis)

VOYTSEKHOVSKIY, V.L.; SHUKHNINA, N.A.; FEDOROVA, I.M.; ZAKATOVA, N.D.;
GUBAREV, A.S.

Determining the chemical and physicomachanical indices of Russian
leather. Nauch.-issl.trudy TSNIKP no.32:37-71 '60.

(MIRA 15:12)

(Leather--Testing)

AGATOV, P.A.; FEDOROVA, I.M.; GALANINA, L.A.

Dynamics of substances containing phosphorus in the mycelium of
Actinomyces violaceus as related to its capacity for forming
an antibiotic substance. Trudy Inst. mikrobiol. no. 6:245-
250 '59. (MIRA 13:10)

1. Institut mikrobiologii AN SSSR.
(ACTINOMYCES VIOLACEUS) (PHOSPHORUS METABOLISM)

FEDOROVA, I.N.

Dissertations approved by the Higher Attestation Commission in
January and February of 1961. Terap.arkh. no.6:117-121 '61.

(MIRA 15:1)

(BIBLIOGRAPHY—MEDICINE)

31
BTP FEDOROVA, I-N

11198* The Action of BHT and BHC on Bacteria. (Russian) P. V. Sazonov and I. M. Eshkova. *Doklady Vsesoyuznogo Orskogo Leningradskogo Nauchno-Issledovatskogo Instituta V. I. Lenina*, v. 17, no. 3, 1952, p. 59-61.

The influence of concentration and time of application of above insecticides on cultures of *Colistidium Fritiumum* were determined. Data are tabulated.

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041271

APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041271(

FEDOROVA, I. N.

"Investigation of Intraplant Action of Insecticides Used for Harmful Eurygaster." Cand Agr Sci, All-Union Sci Res Inst of Plant Protection; All-Union Order of Lenin Academy of Agricultural Sciences imeni, V. I. Lenin, Leningrad, 1955. (KL, No 12, Mar 55)

SO: Sum. No. 670, 29 Sep 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

GUTKIN, A.M.; FEDOROVA, I.P.

[Errors in physical measurements] Pogreshnosti pri fizicheskikh
izmereniyakh. Moskva, Mosk. energeticheskii in-t, 1960. 26 p.
(MIRA 17:3)

GUTKIN, Abram Markovich, dots.; FEDOROVA, Irina Petrovna, dots.;
FOMINA, Irina Aleksandrovna, dots., Fed.

[Errors in physical measurements] Pogreshnosti pri fiziche-
skikh izmereniiakh. Moskva, Energ. in-t, 1964. 28 p.
(MIRA 18:5)

MUSHKALO, L.K.; FEDOROVA, I.P.

Synthesis of tetrahydrobenzhepta-1,5-thiazine. Ukr.khim.zhur.
20 no.3:305-307 '54. (MLRA 7:8)

1. Kiyevskiy gosudarstvennyy universitet im. T.G.Shevchenka.
(Thiazine)

I. G. DOROVA, I. P.

USER/Chemistry - Organic chemistry

Card 1/1 Pub. 116 - 13/25

Authors : Kiprianov, A. I., and Fedorova, I. P.

Title : Azo-derivatives of benzthiazole

Periodical : Ukr. khim. zhur. 21/1, 76-80, 1955

Abstract : The derivation of 2-symmetrical and 9-nonsymmetrical azo-compounds of the benzthiazole series during the synthesis of azothiacyanines is described. The absorption spectra were determined for 6 azo-compounds in an alcohol solution. The derivation of a hitherto unknown 2-methyl-6-nitrosobenzthiazole is announced. Seven references : 4 USSR and 3 USA (1923-1952). Graph.

Institution : State University, Faculty of Organic Chemistry, Kiev

Submitted : October 2, 1954

FEDOROVA, I. P.

FEDOROVA, I. P.: "The azo-derivatives of cyanine dyes." Min Higher Education Ukrainian SSR. Kiev State U imeni T. G. Shevchenko. Kiev, 1956. (Dissertation for the Degree of Candidate in Chemical Science).

Source: Knizhnaya Letopis' No. 28 1956 Moscow

Fedorova, I. P.

AUTHOR: Kiprianov, A. I. and Fedorova, I. P.

73-1-9/26

TITLE: Nitroderivatives of Benzthiazole. II. (Azoproizvodnyye Benzthiazola. II.)

PERIODICAL: Ukrainskiy Khimicheskiy Zhurnal, 1957, Vol.23, No.1
pp. 59 - 63 (USSR).

ABSTRACT: Azoderivatives of benzthiazole previously quoted in literature are listed. (Refs. 1 - 5). The authors' attention was attracted mainly by arylazobenzthiazoles which have an active methyl group in the second position capable of entering into condensation reactions under formation of cyano-dyes. A number of such azoderivatives of benzthiazole, obtained from 2-methyl-6-aminobenzthiazole or from 2-methyl-6-nitrosobenzthiazole were described in a previous article by the authors. They now give data on the synthesis and absorption curves of analogous arylazo-derivatives produced from 2-methyl-5-amino or 2-methyl-5-nitrosobenzthiazoles. The process was carried out by treating the compound with phenol, β -naphthol and dimethylaniline. 3 azo-dyes were obtained. On comparing their absorption spectra in alcoholic solution with the absorption spectra of isomeric dyes (synthesised from 2-methyl-6-aminobenzthiazole) it was found that the

Card 1/3

Nitroderivatives of Benzthiazole. II.

73-1-9/26

transition of 2-methyl-6-aryazo- to 2-methyl-5-aryazo-derivatives is connected with a small displacement of the absorption lines in the short-wave part of the spectrum. Figure 1 gives the absorption curves of the 2 above named compounds in alcohol (curves 1 and 2) and also in alcohol to which sulphuric acid was added (curves 1' and 2'). Figure 2 gives the absorption curves of 2-methyl-5-phenyl-azobenzthiazole (curve 1) and 2-methyl-5-nitroso-benzthiazole (curve 2) in an alcoholic solution. Figure 3 depicts the absorption curves of 2,2'-dimethyl-5,5'-azobenzthiazole (1) and of 2,2'-dimethyl-6,6' azobenzthiazole (2), the latter having been described in a previous communication. A comparison shows that the transition of 5,5'azo-derivatives to 6,6'azo-derivatives is coupled with a displacement of the maximum of the absorption (K) in the long wave part of the spectrum and with an appreciable increase in the intensity. There are 3 figures and 9 references, 3 of which are Slavic.

SUBMITTED: October, 12, 1956.

ASSOCIATION: Kiyev State University, Chair of Organic Chemistry.
(Kiyevskiy Gosudarstvennyy Universitet, Kafedra
Organicheskoy Khimii.)

Card 2/3

Nitroderivatives of Benzthiazole. II.

73-1-9/26

AVAILABLE: Library of Congress

Card 3/3

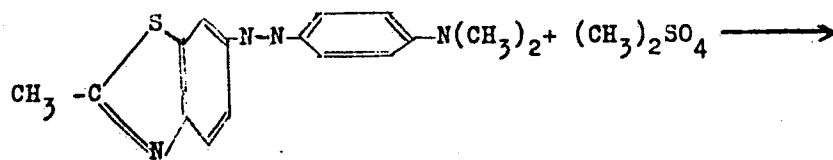
79-28-4-38/60

AUTHORS: Kiprianov, A. I. , Fedorova, I. P.

TITLE: Azo Derivatives of the Cyanine Dyes (Azoproizvodnyye tsianinovyykh krasiteley)

PERIODICAL: Zhurnal Obshchey Khimii, 1958, Vol. 28, Nr 4, pp. 1023-1031 (USSR)

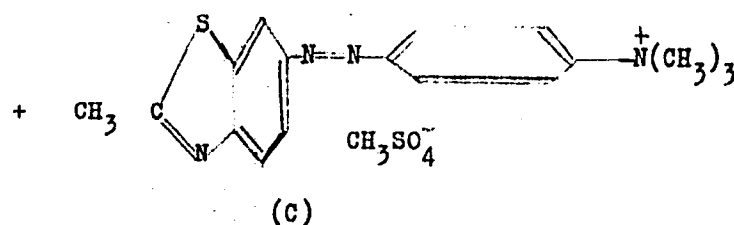
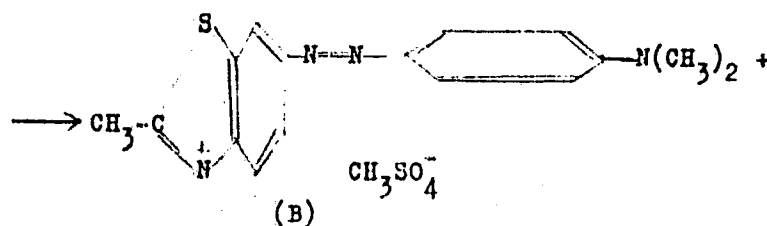
ABSTRACT: It can be determined in colors, which simultaneously are polymethine- and azo-dyes, whether the azo groups form a common chromophore with the polymethine chain, or if they are separated to a certain degree. The authors also found, how the azo groups act upon the sensitizing power of the thiacyanines. A series of such dyes, predominantly thiacyanines and styryles, were synthesized. On that occasion the authors started with the lately described (Ref 2) 2-methyl-5- and 2-methyl-6-arylaazo derivatives.



Card 1/3

Azo Derivatives of the Cyanine Dyes

79-28-4-38/60



The obtained quaternary salt could be condensed and formed a series of symmetrical and asymmetrical styryls and thia-cyanines, which contained arylazo groups as substituents in the benzene rings. It was found that the adsorption spectra of these dyes show a separate intensive adsorption band.

Card 2/3

Azo Derivatives of the Cyanine Dyes

79-28-4-38/60

Therefore the azo groups and the polymethine chain form a common chromophor. In the case of 6-arylaazo derivatives of the thiocyanines the adsorption band is shifted considerably nearer to the red end of the spectrum, than in case of 5-arylaazo derivatives. There are 3 figures, 7 tables, and 3 references, 2 of which are Soviet.

ASSOCIATION: Kiyevskiy gosudarstvenny universitet
(Kiyev State University)

SUBMITTED: January 8, 1957

Card 3/3

BUNIN, K.P.; FEDOROVA, S.A.; FEDOROVA, I.P.

Eutectoid transformation of austenite in phosphorus-bearing
grey cast irons. Dop. AN USSR no.10:1295-1299 '61.

(MIRA 14:11)

1. Institut chernoy metallurgii AN USSR. 2. Chlen-korrespondent
AN USSR (for Bunin).

(Austenite)

(Cast iron--Metallurgy)

FEDOROVA, I.P.; MIRONOVA, G.F.

Hydrazo derivatives of benzothiazole and rearrangement products.

Part 1: 2-methyl-6-phenylhydrazobenzotiazole. Zhur.ob.khim. 32 no.6:
1893-1898 Je '62. (MIRA 1536)

1. Kafedra organicheskoy khimii Kiyevskogo gosudarstvennogo universiteta
im. T.G.Shevchenko.

(Benzothiazole)

BUNIN, K.P.; Chernobyl, I.I.

Effect of preliminary homogenizing of cast iron on the type of diagram for the isothermal transformation of austenite. Rep. AN USSR no.11:1483-1485 '63. (USSR 17:1.)

1. Institut Chernoy Metallurgii. 2. Chlen-korrespondent AN UkrSSR (for Bunin).

BUNIN, K.F. (Dnepropetrovsk); F.M. KVA, I.P. (Dnepropetrovsk)

Effect of the preliminary homogenizing of cast iron on the
aspect of the diagram of isothermal decomposition of austenite.
Izv. AN SSSR Met. 1 gor. delo no.38116-117 My-Je'64 (MIRA 1787)

BUNIN, K.P.; FEDOROVA, I.P.

Effect of carbon content on the kinetics of isothermal
transformation of austenite in malleable cast iron. Dop.
AN URSR no.9:1172-1175 '64. (MIRA 17:11)

1. Chlen-korrespondent AN UkrSSR (for Bunin).

L 1575-66 EWT(m)/EPF(c)/EPF(n)-2/EN(1)/T/EWA(h)/EWA(o)/EWA(1)/ RPL WW/GG/RM
 ACCESSION NR: AP5022600

UR/0190/65/007/009/1549/1553
 66.095.26+678.744+678.745

AUTHORS: Shoherbina, F. F.; Fedorova, I. P.

TITLE: Radiation copolymerization of allylamine with acrylic and methacrylic acids

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 9, 1965, 1549-1553

TOPIC TAGS: copolymerization, acrylic acid, methacrylic acid, allylamine, radiation polymerization

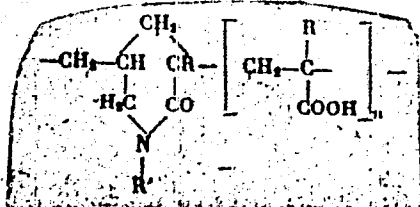
ABSTRACT: Radiation copolymerization of allylamine with acrylic and methacrylic acids in aqueous solution and in solid phase has been accomplished by using Co^{60} at 1300 and 56 rad/sec. The reaction proceeded at room temperature to the extent of 72%. A detailed study of the reaction was performed since the polymeric products of this reaction have amphoteric character and so are of considerable theoretical and practical interest. The bifunctional character of the products was confirmed by the dependence of the viscosity of the aqueous polymer solution upon the pH of the medium (see Fig. 1 on the Enclosure), by the potentiometric titration curves, and by chemical analysis. These latter data were confirmed by the results of calculations based on the curve in Fig. 1, which indicates that

Card 1/4

L 1575-66

ACCESSION NR: AP5022600

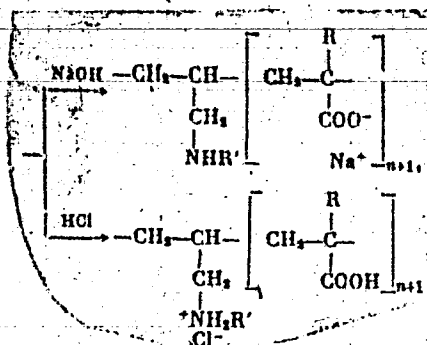
the ratio of the basic to the acidic component is 1:4 in the case of acrylic acid, and 1:4.7 in the case of methacrylic acid. It also appears that the content of the polymer is independent of the radiation doses and the composition of the monomeric mixture. An excess of allylamine, however, lowers the yield of the copolymer. The dotted portion of the curve indicates the region of pH within which the copolymers precipitate. Similar results were obtained when N-ethyl alanine was used as a basic component. However, a solution of N,N-diethylalanine copolymer, used by O. O. Houben-Weul (Methoden der organischen Chemie, Georg Thieme Verlag, Stuttgart, 4 Aufl., 1961, S.1133) in his viscosimetric studies, was stable at all pH values. This is explained by the formation in the vicinity of the isoelectric point by the primary and secondary amino groups (but not by the tertiary) of an insoluble lactam which is readily cleaved by either an acid or a base



Card 2/4

I. 1575-66

ACCESSION NR: AP502260C



where $n = 3$, if $R = H$; $n = 4$, if $R = \text{CH}_3$ and $R' = H$ or C_2H_5 . Orig. art. has: 4 tables, 3 figures, and 1 formula.

ASSOCIATION: Kiyevskiy gosudarstvennyy universitet im. T. G. Shevchenko (Kiev State University)

SUBMITTED: 15Oct64

ENCL: 01

SUB CODE: OC

NO REF SOV: 002

OTHER: 008

Card 3/4

L 1575-66

ACCESSION NR: AP5022600

ENCLOSURE: 01

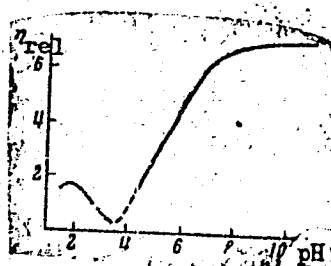


Fig. 1. Viscosity of the solution of the allylamine-acrylic acid copolymer as a function of the pH of the medium.

Card

4/4

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APPROVED FOR RELEASE: Thursday, July 27, 2000

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GVOZDETSKIY, N.A., prof.; ZHUCHKOVA, V.K., dots.; ALISOV, B.P., prof.;
 VASIL'YEVA, I.V., dots.; VARLAMOVA, M.N., tekhnik-kartograf;
 DOLGOVA, L.S., dots.; ZVORYKIN, K.V., st. nauchnyy sotr.;
 ZEMTSOVA, A.I., assistant; IVANOVA, T.N.; LEBEDEV, N.P., st.
 prepodavatel'; LYUBUSHKINA, S.G.; NESMEYANOVA, G.Ya., mlad.
 nauchnyy sotr.; PASHKANG, K.V., st. prepod.; POLTARAU, B.V.,
 dots.; RYCHAGOV, G.I., st. prepod.; SPIRIDONOV, A.I., dots.;
 SMIRNOVA, Ye.D., mlad. nauchnyy sotr.; SOLN'TSEV, N.A., dots.;
 FEDOROVA, I.S., mlad. nauchnyy sotr.; TSESEL'CHUK, Yu.N.,
 mlad. nauchnyy sotr.; SHOST'INA, A.A., mlad. nauchnyy sotr.;
 Primali uchastiye: BELOUSOVA, N.I.; GOLOVINA, N.N.;
 KALASHNIKOVA, V.I.; KOZLOVA, L.V.; KARTASHOVA, T.N.;
 PAN'KOVA, L.I.; URKIKHO, V.; PETROVA, K.A., red.; LOPATINA,
 L.I., red.; YERMAKOV, M.S., tekhn. red.

[Physicogeographical regionalization of the non-Chernozem
 center] Fiziko-geograficheskoe raionirovanie nechernozemnogo
 tsentra. Pod red. N.A.Gvozdet'skogo i V.K.Zhuchkovo. Moskva,
 Izd-vo Mosk. univ., 1963. 450 p. (MIRA 16:5)
 (Physical geography)

FEDOROVA, I.S.

Some geographical features of the runoff distribution on the
territory of non-Chernozem Center. Vest. Mosk. un. Ser. 5:
Geog. 15 no. 5:73-75 8-0 '60. (MIRA 13:11)
(Runoff)

FEDOROVA, I.V.

Variability of *Actinomyces antibioticus* strain 174-8 under the action of actinophages. Nauch.dokl.vys.shkoly; biol.nauki no.4: 168-172 '62. (MIRA 15:10)

1. Rekomendovana laboratoriyey selektsii Vsesoyuznogo nauchno-issledovatel'skogo instituta antibiotikov i kafedroy genetiki Leningradskogo gosudarstvennogo universiteta im. Zhdanova.
(ACTINOMYCES) (BACTERIPHAGE)

FEDOROVA, I.V.; ALIKHANYAN, S.I.

Characteristics of the variability of *Actinomyces aureofaciens* strains in respect to the production of antibiotics under the effect of mutant actinophages. Antibiotiki 10 no.7:579-585 J1 '65.
(MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov i Institut atomnoy energii imeni I.V. Kurchatova, Moskva.

KACHUR, L.A.; MATVEYEV, O.O.; FEDOROVA, I.V.

Determining the amount of deuterium in some biological media
by means of the MS-2M mass spectrometer. Vop.radiobiol. 2:
189-198 '57.
(MIRA 12:6)

1. Sotrudniki Tsentral'nogo nauchno-issledovatel'skogo rentgeno-
radiologicheskogo instituta Ministerstva zdavookhraneniya SSSR.
(DEUTERIUM) (WATER IN THE BODY) (MASS SPECTROMETRY)

FEDOROVA, I.V.

Changes in the latent period of the flexor of the rabbit tibia following a 10r dose of x-irradiation [with summary in English].
Med.rad. 3 no.2:32-37 Mr-Apr'58 (MIRA 11:5)

1. Is Tsentral'nogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta (nauchnyy rukovoditel' - kand.med.nauk Yu. K. Kurditskiy) Ministerstva zdravookhraneniya SSSR.

(ROENTGEN RAYS, eff.

on latency of flexor reflex of tibia in rabbit after single exposure (Rus))

(REFLEX eff. of radiations on

x-ray on latency of flexor reflex of tibia of rabbit after single exposure (Rus))

IVANOV, K.I., doktor khim.nauk; VILYANSKAYA, Ye.D., kand.khim.nauk;
KAZANSKIY, K.M., inzh.; SHILANKOV, B.F., inzh.; FEDOROVA, I.V., inzh.

Results of the operational tests of "Ivviol' 1A" nonflammable
turbine oil. Teploenergetika 8 no.11:27-29 N '61. (MIRA 14:10)

1. Vsesoyuznyy teplotekhnicheskiy institut i Moskovskoye rayonnoye
upravleniye energeticheskogo khozyaystva.

(Steam turbines—Lubrication)

(Lubrication and lubricants—Testing)

IL'INA, T.S.; TETERYATNIK, A.F.; FEDOROVA, I.V.; RETINSKAYA, V.I.

Use of actinophages in the selection of actinomycetes. Trudy Inst.
mikrobiol. no.10:182-186 '61. (MIRA 14:7)
(ACTINOMYCES) (BACTERIOPHAGE)

FEDOROVA, I.V.; FEOKTISTOV, V.I.

Thin photosensitive layers for obtaining autoradiograms of
bacterial objects studied with the electron microscope.
Med.rad. no.7:73-77 '61. (MIRA 15:1)

1. Iz radiologicheskogo otdela Tsentral'nogo nauchno-issledovatel'-
skogo instituta meditsinskoj radiologii.
(AUTORADIOGRAPHY—EQUIPMENT AND SUPPLIES) (ELECTRON MICROSCOPE)
(BACTERIOLOGY)

FEDOROVA, I.V.; FEOKTISTOV, V.I.

Preparation of thin photosensitive emulsion films for electron
microscopes. Zav.lab. 28 no.7:823-825 '62. (MIRA 15:6)

1. Tsentral'nyy nauchno-issledovatel'skiy institut meditsinskoy
radiologii.

(Electron microscopy)

(Films (Chemistry))

ALIKHANYAN, S.I.; FEDOROVA, I.V.

Sarcosine induced mutations in actinophages lysing the strains
of *Actinomyces aureofaciens*, Mikrobiologiya 34 no.3:450-455 My-Je
'65. (MIRA 18:11)

1. Institut atomnoy energii imeni I.V.Kurchatova i Vsesoyuznyy
nauchno-issledovatel'skiy institut antibiotikov.

FEDOROVA, I.Ya.; TSIMMERMAN, N.A.; YAROSHEVSKIY, A.Ya. (Leningrad)

Specific hematological reaction in gastric cancer with metastases to the bone marrow. Klin.med. 34 no.3:90-93 Nr '56. (MLBA 10:1)

1. Iz kliniki propedevtiki vnutrennikh bolezney (dir. - deystvitel'nyy chlen AMN SSSR M.D.Tushinskiy) I Leningradskogo meditsinskogo instituta imeni akad. I.P.Pavlova.

(STOMACH, neoplasms,
metastatic to bone marrow, blood in (Rus))

(BLOOD CELLS,
count in cancer of stomach with metastases to bone marrow
(Rus))

(BONE MARROW, neoplasms,
metastatic from stomach, blood count in (Rus))

FEDOROVA, I. Ye.

Min Health USSR. Central Inst for the Advanced Training of Physicians

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